

Suzanne Head
4/15/17

Delaware Electric Cooperative
Generator Interconnection Application – Short Form
(For Use with Generators less than 100 kW DC)

An applicant (Generator Owner) makes application to Delaware Electric Cooperative to install and operate a generating facility less than 100 kW DC and interconnected with the Delaware Electric Cooperative utility system.

Section 1, Applicant Information Directly Interconnected to the Generating System

Is the following system: Leased or Member Owned
Type of Application: Initial or Addition/Upgrade

Name: James C. Welch _____

Mailing Address: 14914 Deer Forest Road _____

City: Georgetown _____ State: DE _____ Zip Code: 19947 _____

Email Address: jameswelch@seeliecourt.net _____

Facility Location (if different from above): _____

Telephone: Area Code 302 Number 450-2502 (Evening) Area Code _____ Number _____

Delaware Electric Cooperative Account No.: 3882501 Rate Code: _____

Section 2, Equipment Contractor

Name: CNC Solar _____

Mailing Address: 323B Rehoboth Avenue _____

City: Rehoboth Beach _____ State: DE _____ ZipCode: 19971 _____

Email Address: suzettes@cncsolar.com Telephone (Daytime): Area Code 302 Number 227-9245 _____

Section 3, General Service Requirements

If different from the existing service, what size service will the generation facility require?

200A 400A 600A 800A

If this is a new account for a Solar System, what Voltage/Phase will be required?

120/240V-1Ph 120/208V-1Ph 120/208V-3Ph 277/480V-3Ph

Section 4, Application Fee

This application fee is applicable for all new PV applications received on or after May 20, 2016. The cost will be \$50.00 per application (new and/or upgrade) for systems 25 kW DC or less. For systems over 25 kW DC the fee will be \$50.00 plus \$1.00 kW DC over 25 kW DC. All interconnection applications submitted to DEC shall be

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accompanied with the appropriate fee made out to Delaware Electric Cooperative and are non-refundable. No applications will be considered without the fee.

Section 5, Generator Type

Is Generator powered from a Renewable Energy Source: Yes No

Type of Energy Source (if applicable): Solar Wind Other _____

Other generator energy source: Diesel Natural Gas Fuel Oil Other: _____

Will excess power be exported to Delaware Electric Cooperative? Yes No

(Typical) Maximum Export: N/A kW DC/AC

2 Yr. Avg. Annual Usage (kWh): 24,159 Forecast Annual kWh: 21,337

(Note: The Annual Forecast MUST be completed using **4.5 peak sun light hours per days**)

Section 5, Generator Technical Information

Please fill out the Initial Rating information if there is currently no generating facility on-site. If adding a generating facility to an existing facility, fill out the Initial Rating Information, the Added Rating Information and the Total Rating Information

Generator (or solar collector) Manufacturer, Model Name & Number: Peimar 270 W
(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)

Inverter Manufacturer, Model Name & Number (if used): SolarEdge SE 7600 A-US, (2) Two
(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)

Initial Rating:

DC System Design Capacity: 17.28 (kW) 0.01728 (kVA)

Inverter Capacity: 7.6 (Maximum AC kW)

AC System Design Capacity: 15.2 (kW) 0.0152 (kVA)

Added Rating:

DC System Design Capacity: _____ (kW) _____ (kVA)

Inverter Capacity: _____ (Maximum AC kW)

AC System Design Capacity: _____ (kW) _____ (kVA)

Total Rating (Existing and New):

DC System Design Capacity: _____ (kW) _____ (kVA)

Inverter Capacity: _____ (Maximum AC kW)

AC System Design Capacity: _____ (kW) _____ (kVA)

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Generator Disconnect Switch:

A lockable disconnect device shall be installed within 3 feet of the DEC meter and accessible at all times by DEC personnel, by and at the cost of the owner.

Section 6, Generator/Equipment Certification

Generating systems that utilize inverter technology must be compliant with *IEEE 929* and *Underwriters Lab. UL 1741*. Generating systems that use a rotating machine must be compliant with Delaware Electric Co-op's *Technical Requirements For Parallel Operation of Member Owned Generation* document. **By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Name (print): JAMES C WELCH Date: April 3, 2017

Signed (Applicant): James C Welch

Section 7, Aggregated Meter Information (If Applicable)

The following aggregated accounts shall be ranked according to the order in which credits shall be applied (We don't apply the credit; however, DEC may elect to make payment to the account serving the Generating System) Additionally, the following accounts must be active accounts and will be used to determine the total 2-year Annual Average kWh to ensure the new system is in compliance with DEC tariff.

1 - DEC Member Name _____ Rate Code: _____

DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

2 - DEC Member Name _____ Rate Code: _____

DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

3 - DEC Member Name _____ Rate Code: _____

DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

4 - DEC Member Name _____ Rate Code: _____

DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

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Section 9, Installation Details

Generating System will be installed by: Owner State Licensed Electrician

Installing Electrician: Jim Murphy Firm: Murphy Electric License No.: T1-0004277

Mailing Address: 30731 Sassafras Drive

City: Lewes State: DE Zip Code: 19958

Telephone with Area Code: 302.644.0404

Installation Date: _____ Interconnection Date: _____

Supply certification that the generating system has been installed and inspected in compliance with the local Building/Electrical code of the municipality of Lewes, DE

Signed (Inspector): see attached Cert of Inspection Date: _____

(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

Section 10, Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.

Name of Applicant (Printed): James C Welch Date: _____

Signature of Applicant: _____

Section 11, FINAL Approval or Non-Approval

Delaware Electric Cooperative: Has Approved Has Not Approved this Interconnection Application.

Name : _____ Date: _____

Signature: _____

Reason of Not Approving: _____

Approval to connect to the Company system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.

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Signed (Inspector): see attached Cert of Inspection Date: _____
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Section 10, Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.

Name of Applicant (Printed): James C Welch Date: _____

Signature of Applicant: _____

Section 11, FINAL Approval or Non-Approval

Delaware Electric Cooperative: Has Approved Has Not Approved this Interconnection Application.

Name: LPGIII Date: 9/11/17

Signature: L. Paul Greenlee III
Digitally signed by L. Paul Greenlee III
DN: cn=L. Paul Greenlee III, o=Delaware Electric Coop, Inc., ou,
email=lgreenlee@decoop.com, c=US
Date: 2017.09.11 08:42:36 -0400

Reason of Not Approving: _____

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